

Title (en)  
Keycap, key structure and keyboard

Title (de)  
Tastenkappe, Tastenstruktur und Tastatur

Title (fr)  
Capuchon de touche, clavier et structure de touche

Publication  
**EP 2818979 A1 20141231 (EN)**

Application  
**EP 13187346 A 20131004**

Priority  
TW 102123304 A 20130628

Abstract (en)  
A keyboard includes a main board and at least one key structure positioned on the main board. The key structure includes a key switch and a key cap. The key cap is combined with the key switch. The key switch includes a key base and a shaft movably positioned on the key base. The keycap includes a main body and a cushion member. The main body is positioned on the shaft of the key switch. The main body is spaced apart from the contact surface of the key base. The main body is moved forward and backward relative to the key base with movement of the shaft. The cushion member is positioned at one side of the main body facing the contact surface. While the main body is moved to the contact surface, the cushion member abuts on the contact surface, so as to avoid the main body from hitting the key base directly, and hence minimizing the noise that is produced by the moving parts.

IPC 8 full level  
**G06F 3/02** (2006.01); **H01H 13/00** (2006.01)

CPC (source: EP US)  
**G06F 3/02** (2013.01 - US); **G06F 3/0202** (2013.01 - EP US); **H01H 13/02** (2013.01 - US); **H01H 13/84** (2013.01 - EP US); **H01H 2221/044** (2013.01 - EP US); **H01H 2221/08** (2013.01 - EP US); **H01H 2221/084** (2013.01 - EP US); **H01H 2233/108** (2013.01 - EP US); **H01H 2235/03** (2013.01 - EP US)

Citation (search report)

- [X] EP 1528583 A1 20050504 - SMK KOREA CO LTD [KR]
- [X] US 5821482 A 19981013 - OOTANI YASUO [JP], et al
- [X] US 3736397 A 19730529 - PEDERSEN E
- [X] US 7855715 B1 20101221 - BOWEN JAMES HARRISON [US]
- [X] DE 2245751 A1 19730510 - BUNKER RAMO
- [X] JP S5155378 U 19760428

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2818979 A1 20141231**; JP 2015011698 A 20150119; JP 5753565 B2 20150722; TW 201501155 A 20150101; US 2015001059 A1 20150101; US 9184001 B2 20151110

DOCDB simple family (application)  
**EP 13187346 A 20131004**; JP 2013221970 A 20131025; TW 102123304 A 20130628; US 201314050343 A 20131010